Comprehensive Data Management System (CDMS)
Version 2.6

Installation Instructions

Prior to Installing the Program

Make sure the user installing the application has administrative rights for the machine that CDMS will be installed on. Under Windows 7, installation must be done by an IT Administrator and the application is installed by right-clicking the setup.exe and selecting "Run As Administrator".

Additionally to following system requirements have been defined to allow CDMS to run at optimal levels:

- Computer Speed: Pentium III 1 GHz Core Speed with 1 GB of RAM
- Computer Storage: 2 GB Free
- Operating System: 32-bit environments (Windows XP SP3, Windows 7 (Enterprise or Professional)

Verify that all other versions of CDMS have been uninstalled including previous versions that may have been labeled "CDMS_Deploy".

Before installing the CDMS Application, the system requires that several prerequisite programs be loaded. CDMS will install programs where indicated below *.

- Microsoft Visual FoxPro Driver 9.0*
- Microsoft .NET 2.0 Framework*
- MS SQL Server 2005 Express Edition*
- Microsoft Data Access Components 2.8 Service Pack 1*
- Microsoft J# Distributable File*
- ESRI ArcGIS 9.3 Service Pack 1 or higher (Engine, ArcView, ArcEditor, or ArcMap)
- ESRI ArcGIS 9.3 .NET Runtime (Instructions on Installing Appendix A)

The prerequisite software should be installed by the program prior to the installation of CDMS. The user should follow the default prompts if any appear.

How to start installation of CDMS from Zip File

Although not a requirement, it is recommended that the PC is restarted before installing CDMS. To install, right click CDMS.zip file and (based on your zip program), extract the files to a folder of your choice. Then double click the setup.exe file.

Once the installation of CDMS has begun, the screen below will appear. Here the user will be informed that the installer will guide the user through the steps. Be sure to read all content on each screen before proceeding. Select the **Next** button to continue.
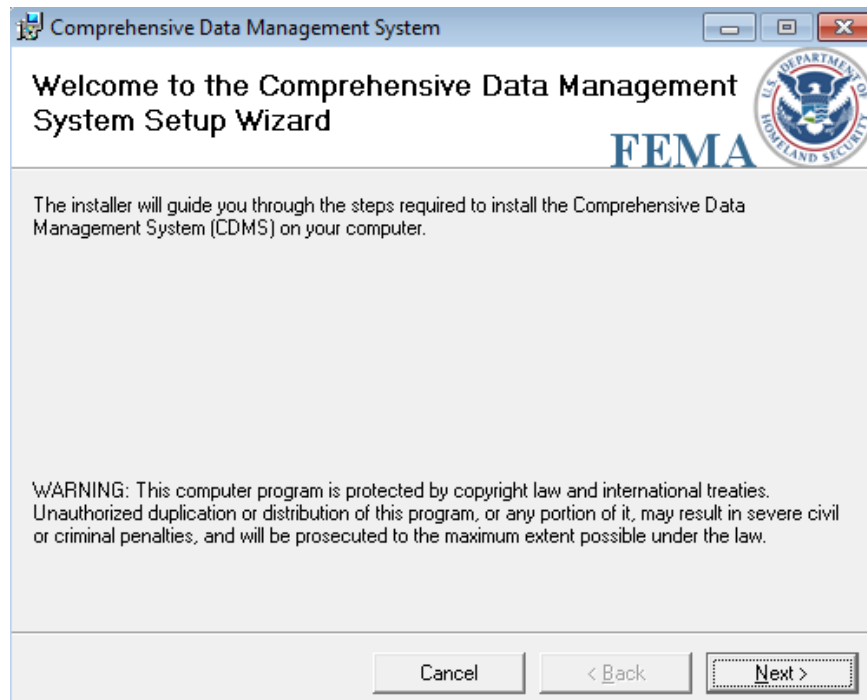

Next, the user will be required to choose a folder where CDMS will be installed. The user may use the default folder that is entered or choose a different folder by entering the folder name manually or selecting the **Browse** button to find the folder.
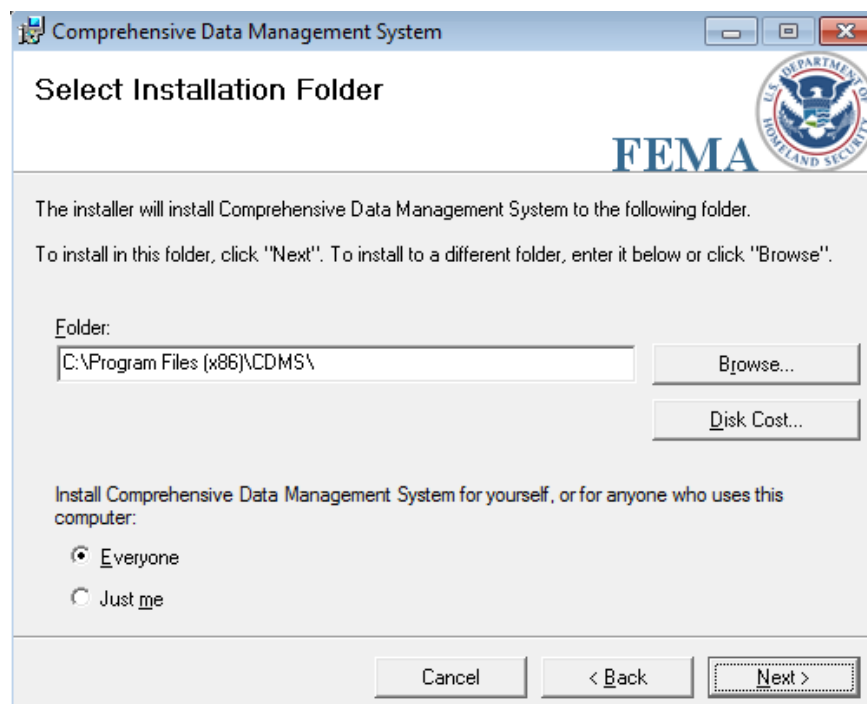
Finally, the confirm Installation dialog will let the user know that CDMS is ready to be installed on the computer. Select the **Next** button to start the installation. To change the folder location, select the **Back** button. To cancel the installation process select Cancel.
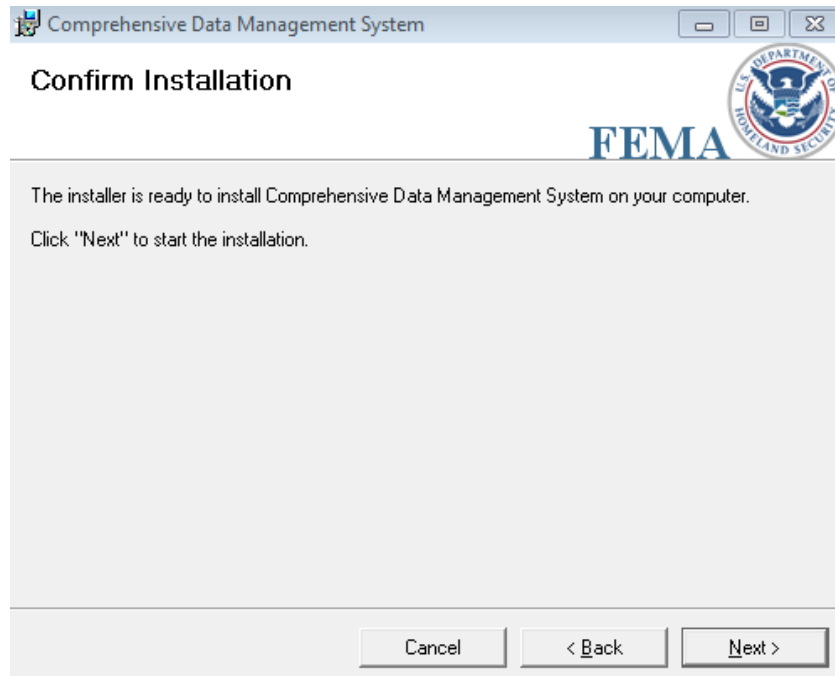

The screen will show the user the progress of the installation through the full process. At any time the user can select the **Cancel** button and the installation process will be stopped.
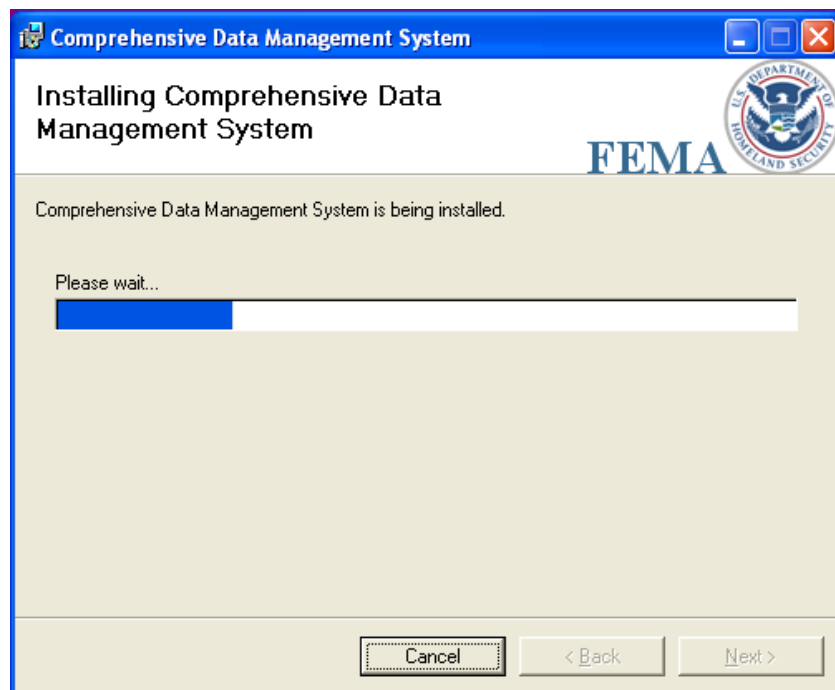
Now the user will see a message that states the installation was successful. Select the **Close** button to exit out of the installation wizard. Please be advised that although CDMS has been successfully deployed, a SQL Server Express instance will begin (or already has begun) begin installation at this point. This process may take several minutes to complete. Do not do anything else on your machine until SQL Server Express has completed its instance installation.
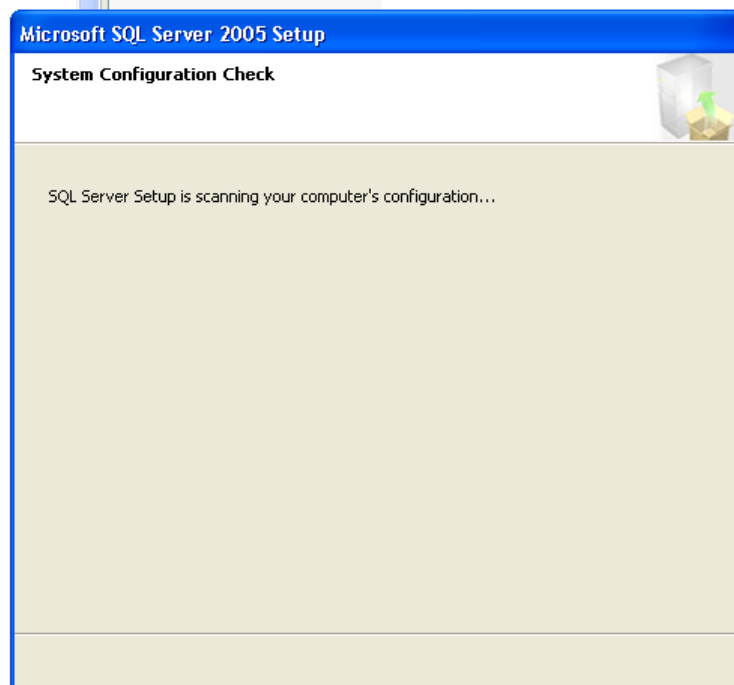

A few seconds after pressing the Close button of the above dialog box, you will see another box detailing the file extraction for SQL Express,
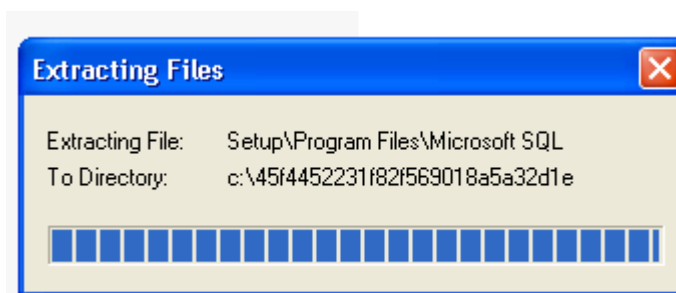
Along with this a window that is installing prerequisites.
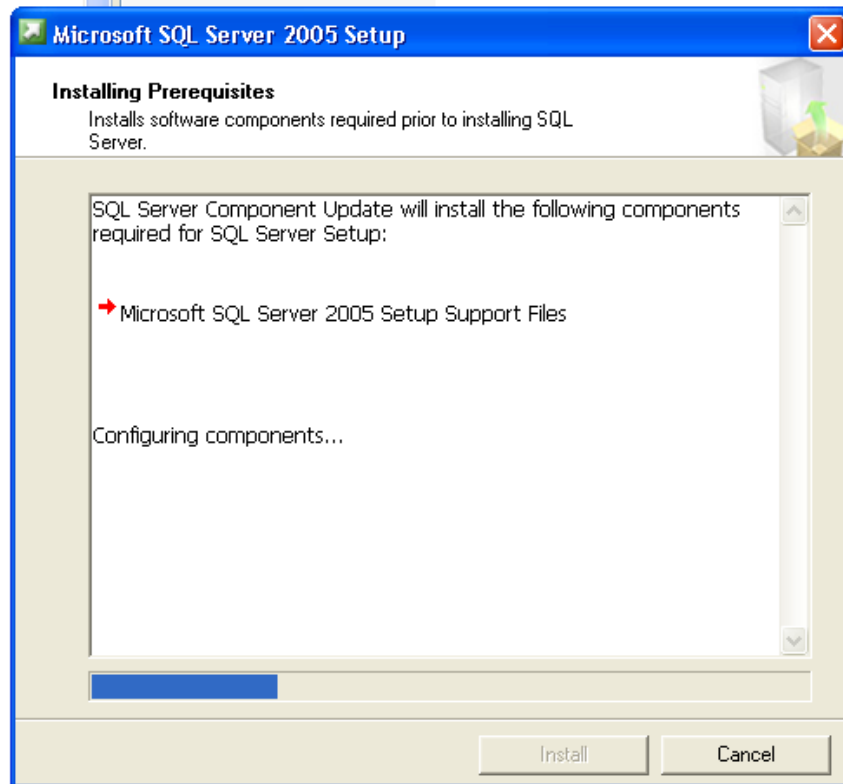
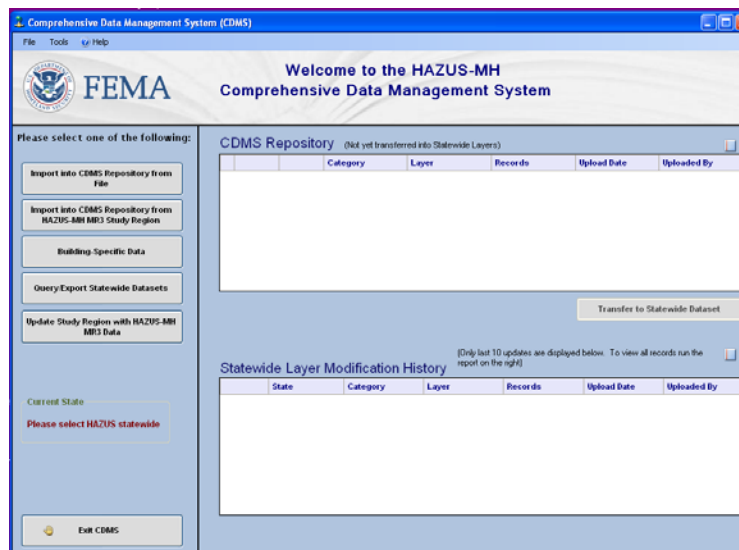After prerequisites are installed, SQL Server Setup must do a configuration check.

Followed immediately by this Setup Progress dialog.
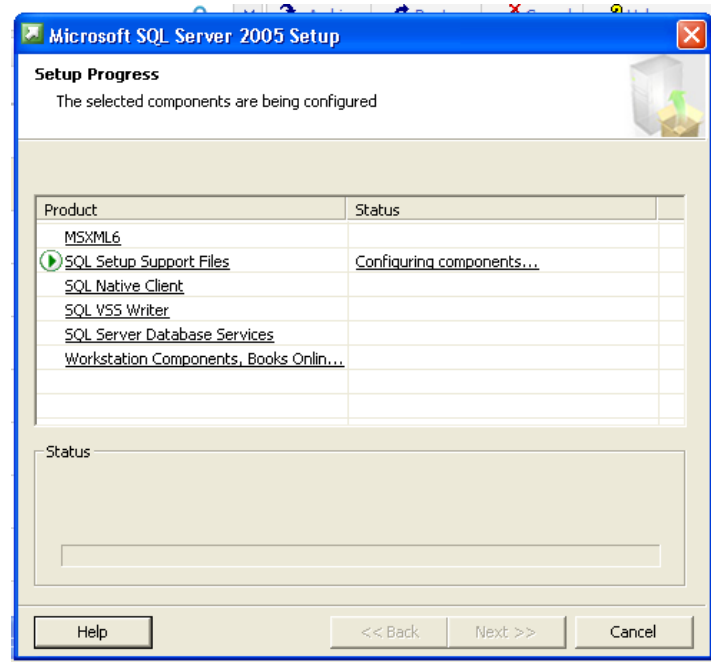
After this window closes, installation has been completed successfully.


To start CDMS:

Start > Programs > FEMA RISK Assessment System > Comprehensive Data Management System > CDMS Application


Select the **Help > Contents** menu within CDMS to get more information on running the system.

To uninstall CDMS:

Although not a requirement, it is recommended that the PC is restarted before uninstalling CDMS. Close all open programs. Go to the Add or Remove Programs applet in the control panel. Find "Comprehensive Data Management System" and press "Remove".
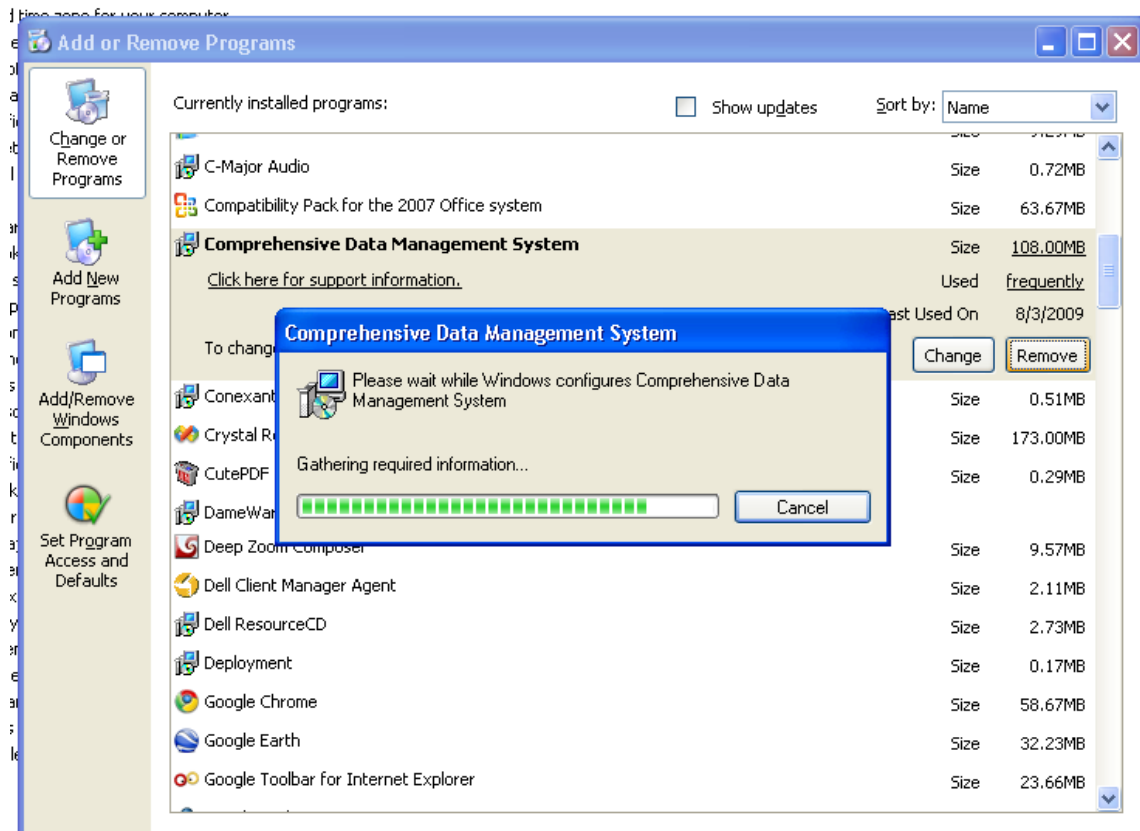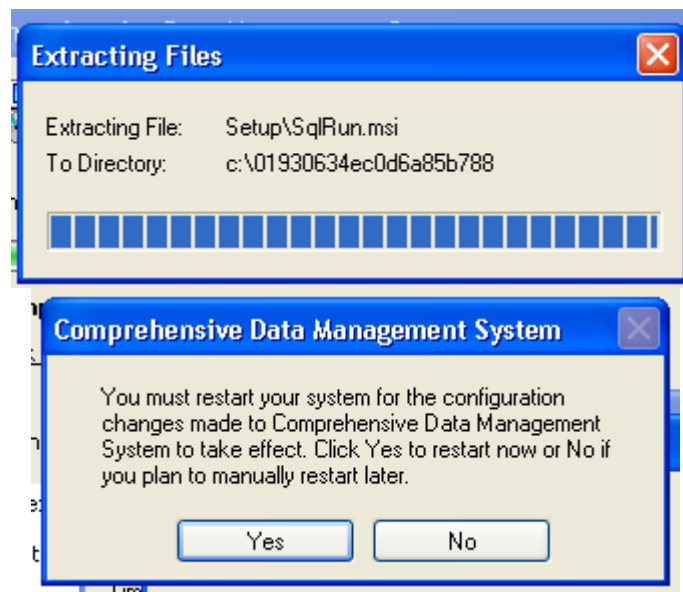

The below warning is offered as a courtesy. It is a reminder to export any building specific data you may have in CDMS. When the application is deleted, the data is deleted as well.
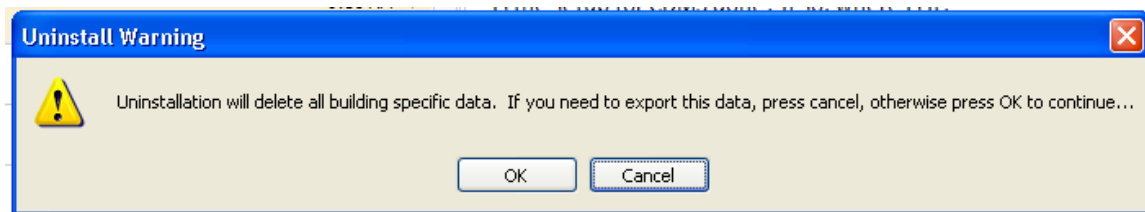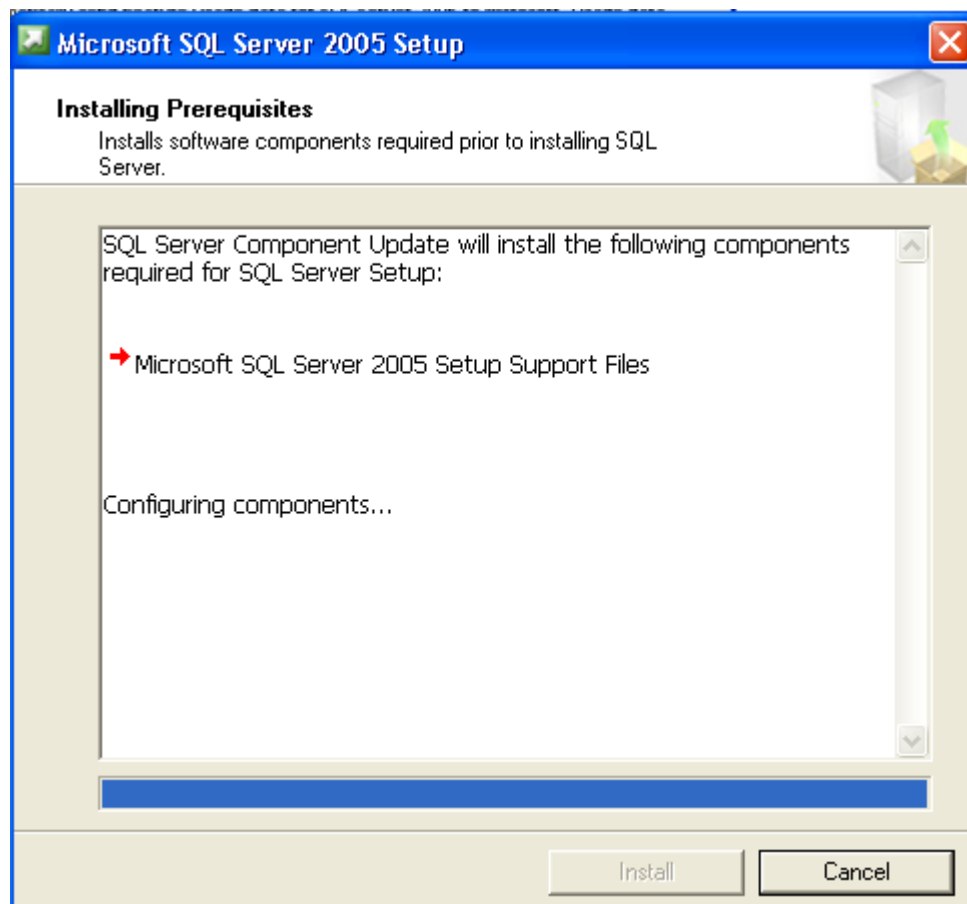

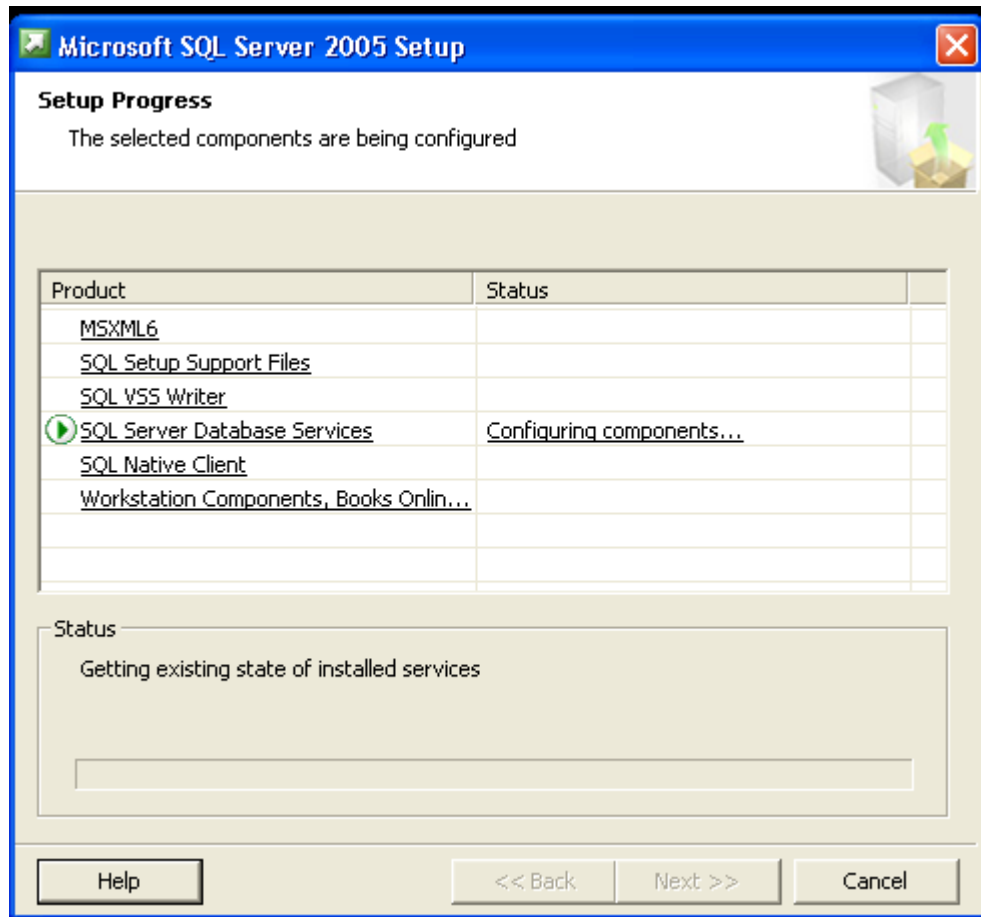Finally, it is time for SQL Server to attempt to uninstall the CDMS SQL Server instance.
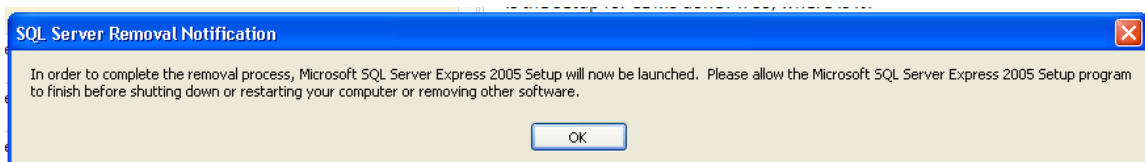
Extraction of files needed for removal of the instance, followed by a request to reboot.

Click "No". The process will continue with "Installing Prerequisites". This is a normal part of the "Uninstall".

Setup Progress screen will then start. Press "Next" when the button is enabled.

After this screen completes, it will close.

This should complete the Uninstall. If you received error screens during this uninstall process, you may delete your CDMSSRVR SQL Express Instance manually. See **SQL Server Express Instance Manual Uninstallation** in the appendix.

APPENDIX A

Installing the ArcGIS .NET Runtime.

Prior to installing CDMS, please check for the ArcGIS Runtime on your machine. This is located at <ArcGIS Install Directory>\DotNet

If this directory does not exist then you will receive one of the following messages when executing CDMS tasks:

"File or assembly name ESRI.ArcGIS.System, or one of its dependencies, was not found"

...or...

"Unable to get installer types in the C:\program files\application_name\app.dll assembly. --> One or more of the types in the assembly uable to load."

Next you will need to install the ESRI .NET assemblies. To do so you will need to restart the ArcGIS Desktop install and add a component called "ESRI .NET Support". The following steps detail this process.
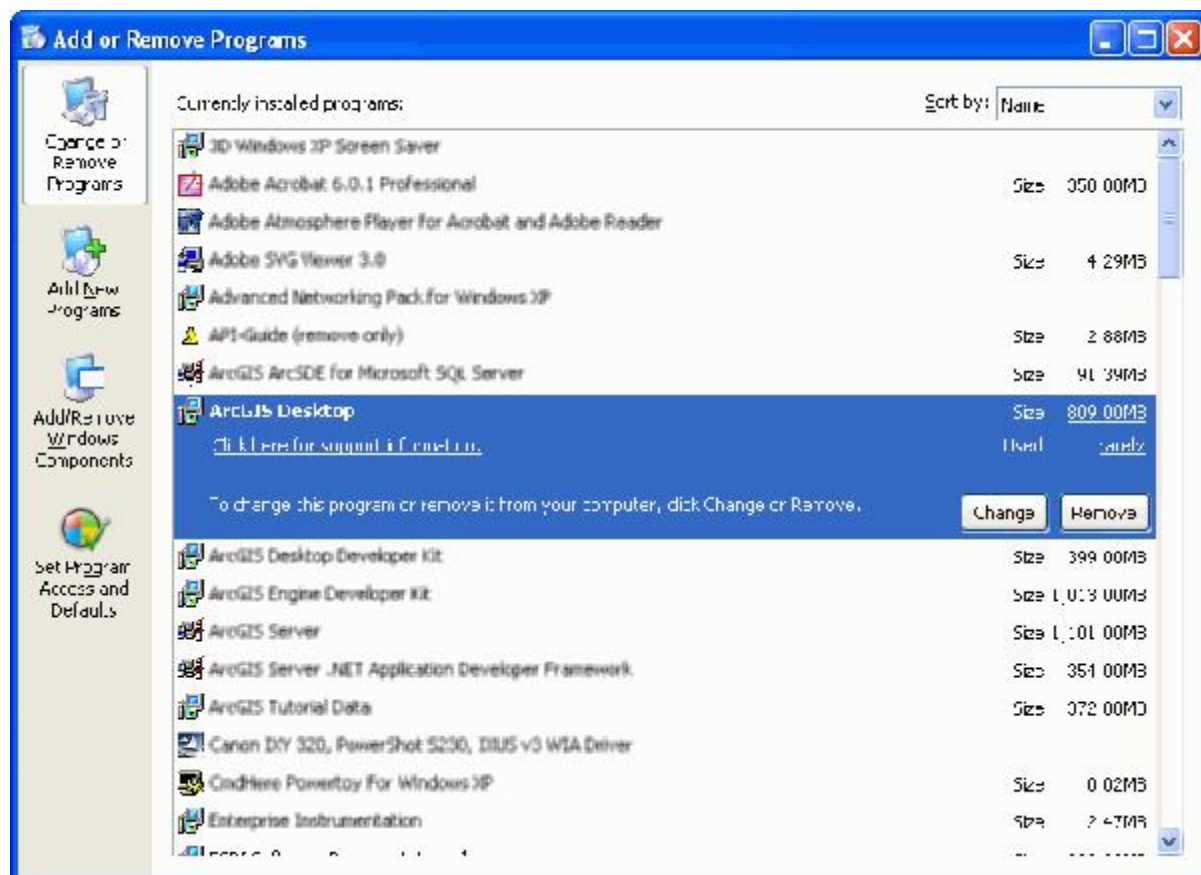
From the windows start menu click **Start** > **Control Panel.**
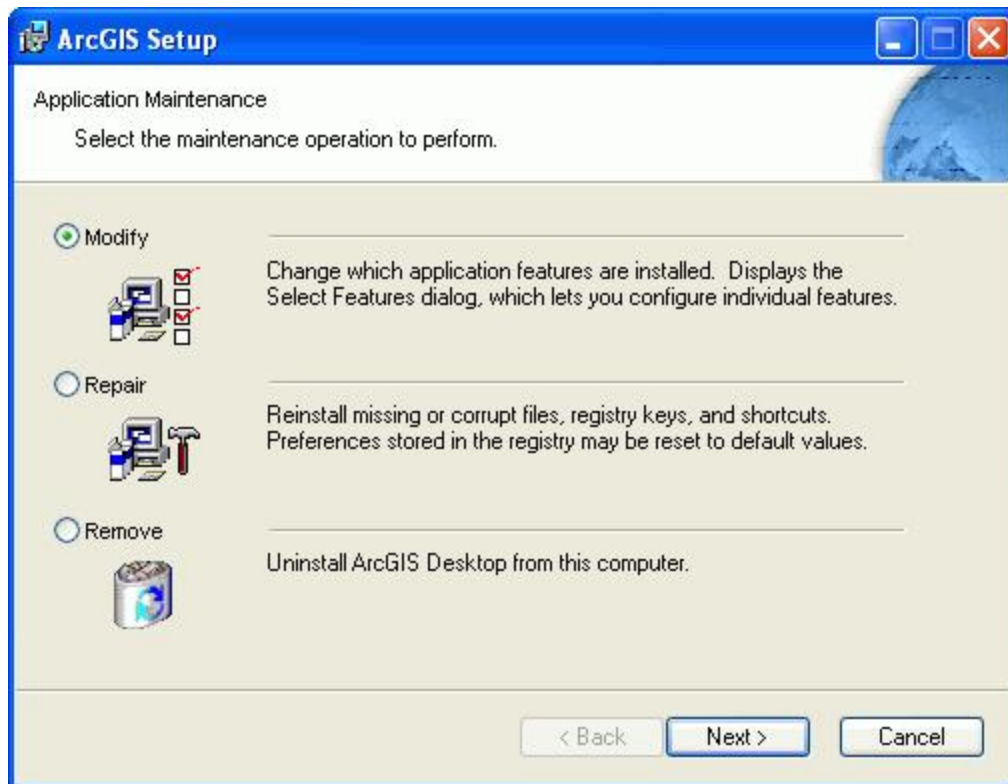

Double click on **Add or Remove Programs**.
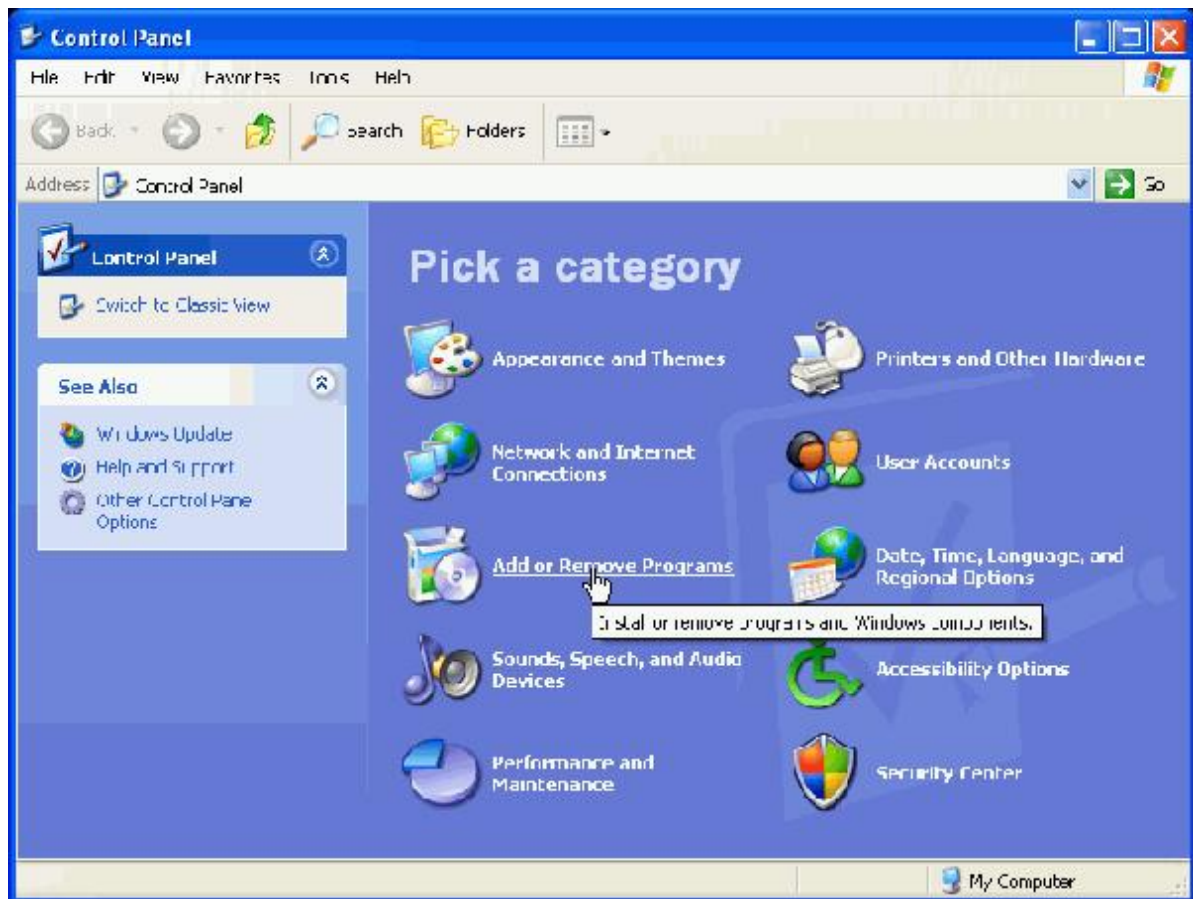
Select **ArcGIS Desktop** from the list of installed programs.

Click the **Change** button to launch the installer.
(at this point you may be asked for the source media or access to a network folder that was used to install ArcGIS Desktop)
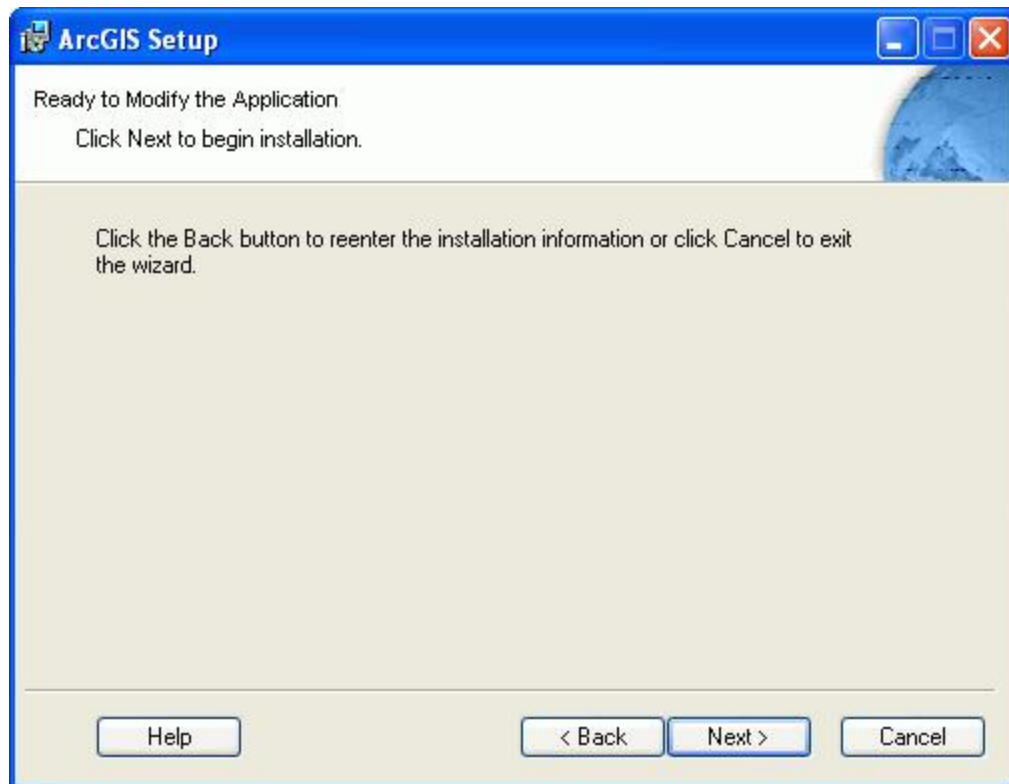
Select **Modify** and then click **Next >**. The following dialog will appear listing all the current installed components of ArcGIS 9.
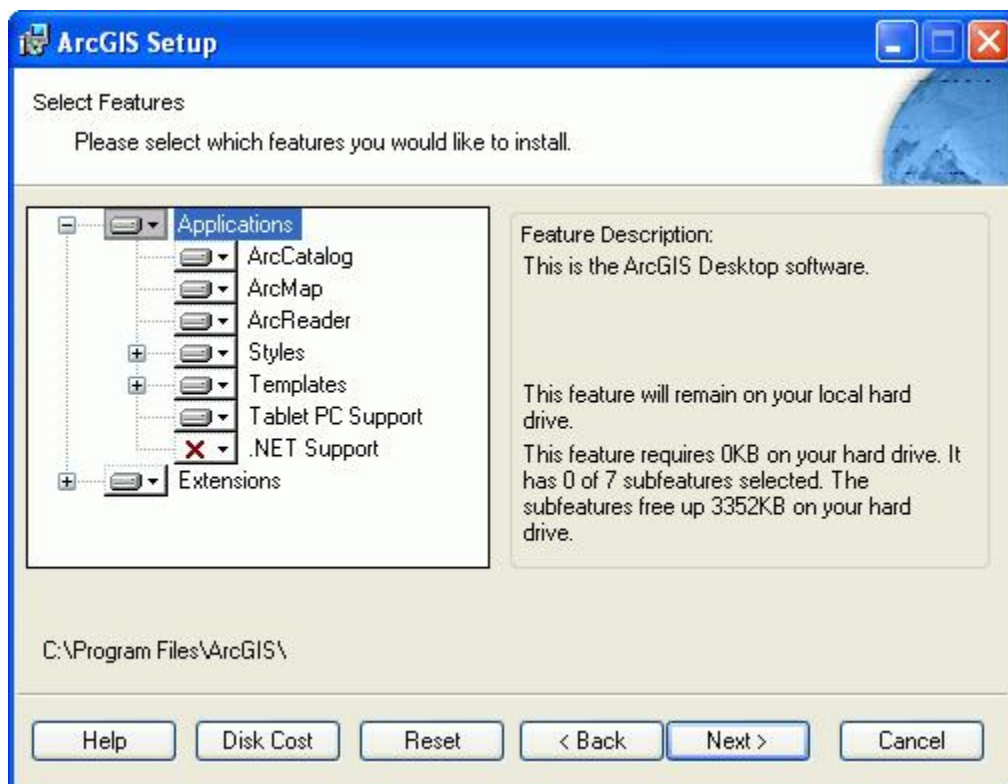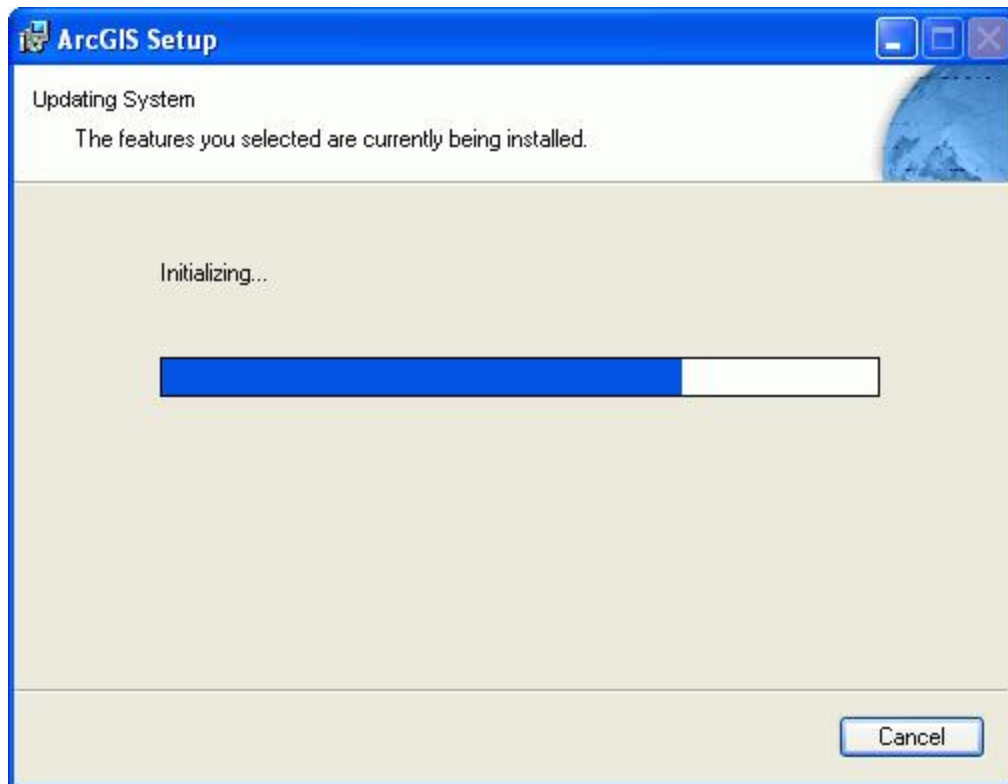
Click on **.NET Support** and select **Will be installed on local hard drive.**
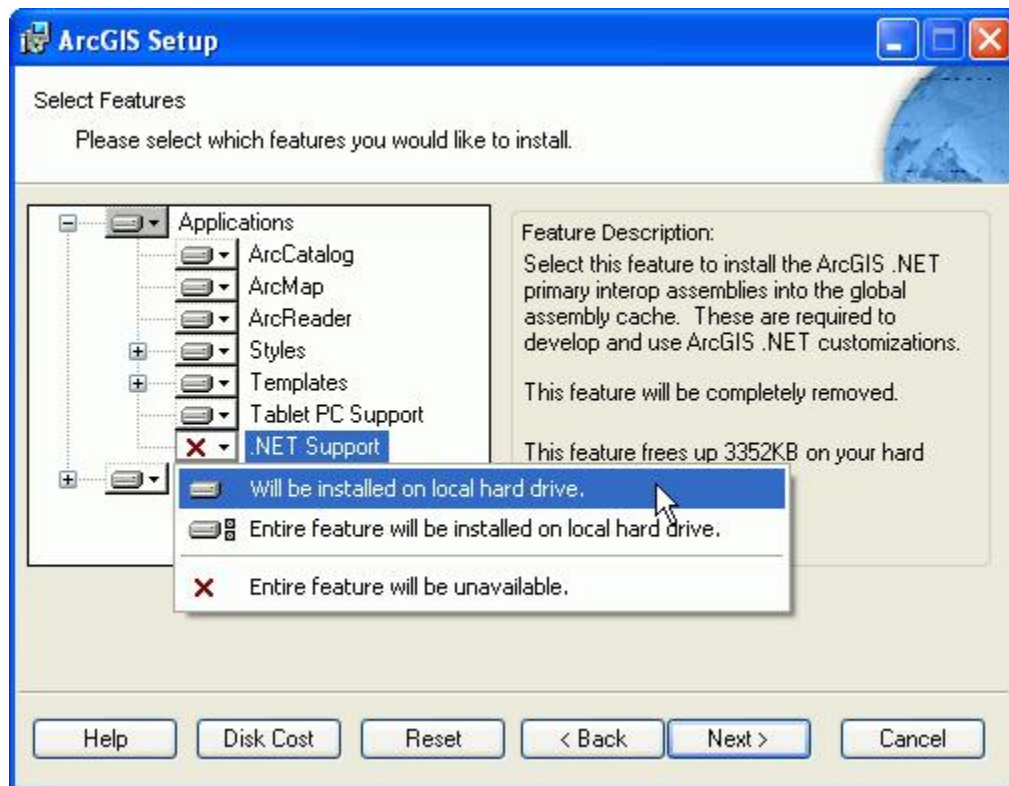
Click **Next >**

At the confirmation prompt click **Next >** again. As the new files are installed the following progress dialog will appear. If necessary, the installation can be canceled by clicking the **Cancel** button, but this is strongly not recommended.
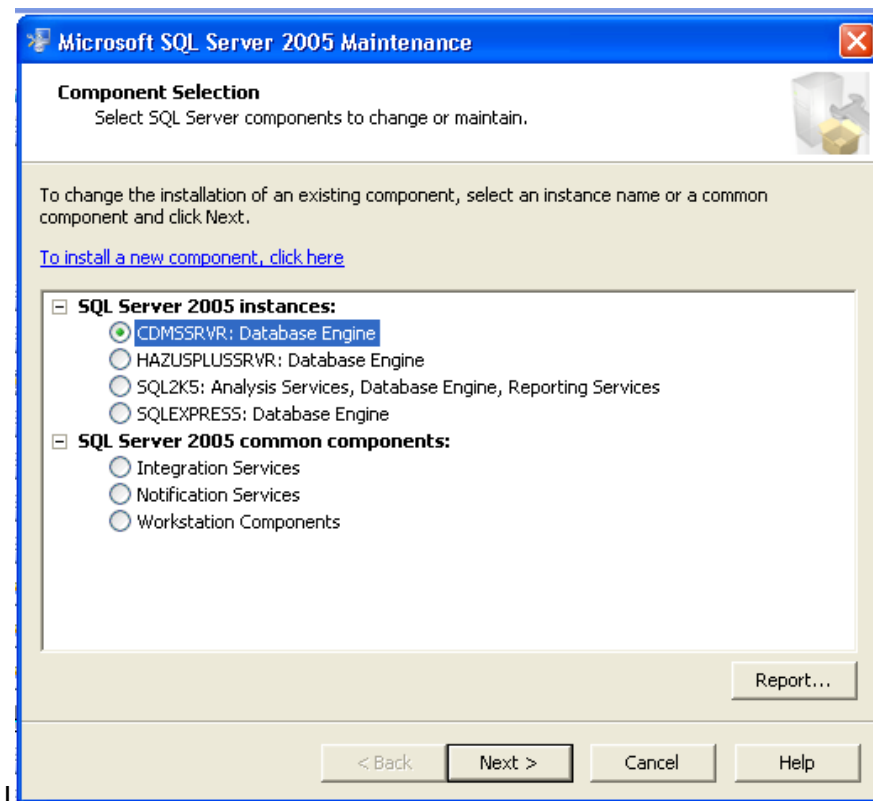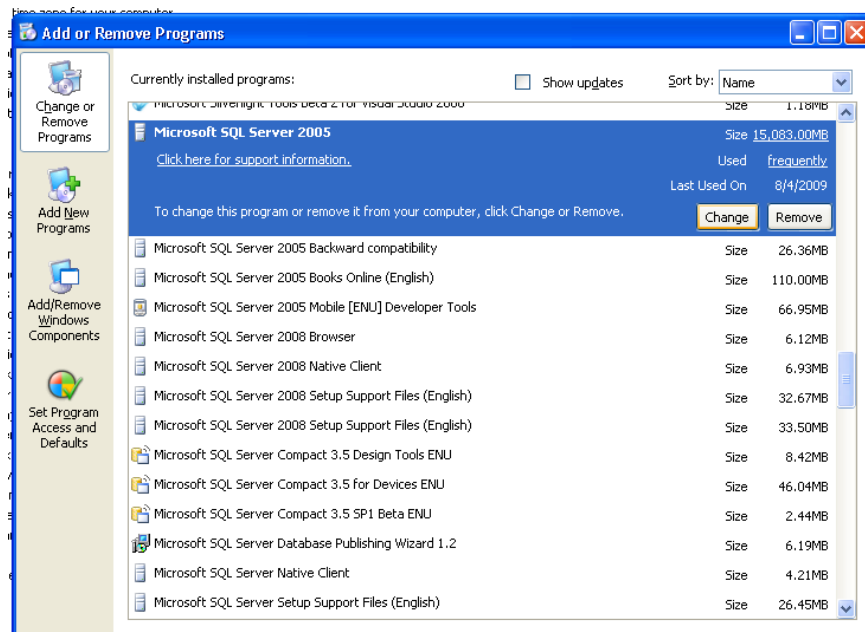
Finally click **Finish** from the installation wizard.
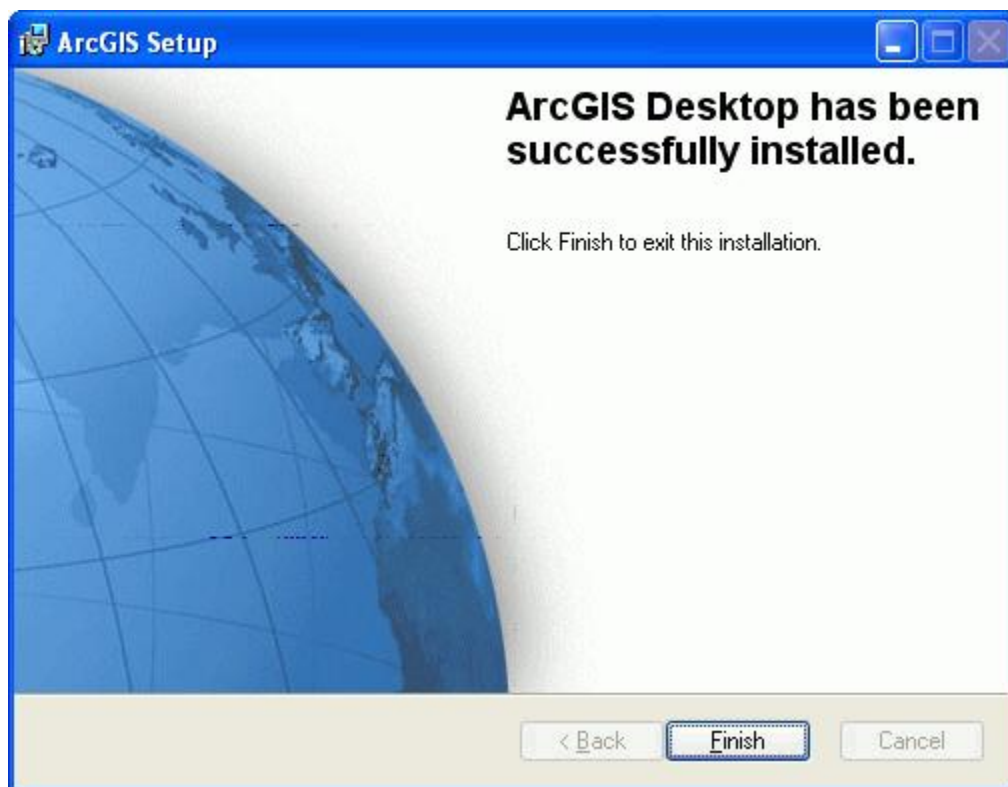
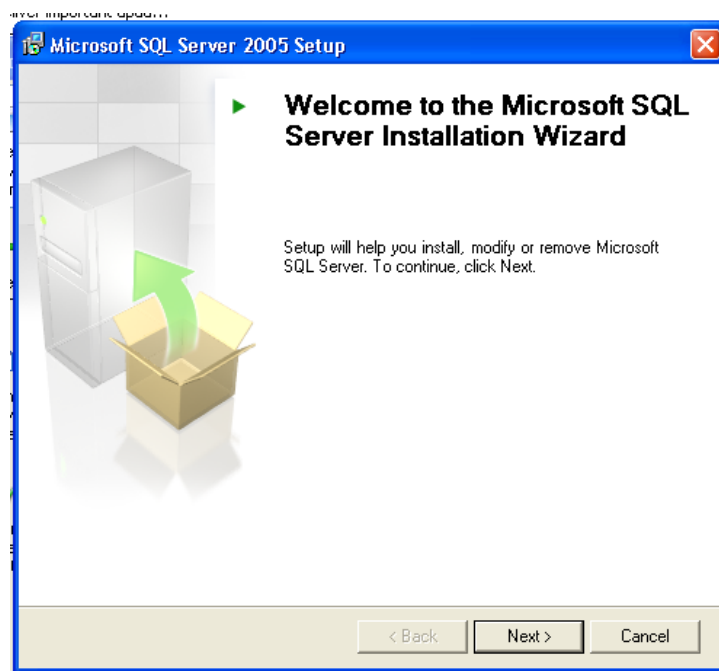## SQL Server Express Instance Manual Uninstallation on Windows XP

Open the Add or Remove Programs applet, find Microsoft SQL Server 2005 and press the "Change" button. On the next screen, select only the radio button by CDMSSRVR: Database Engine and press Next.
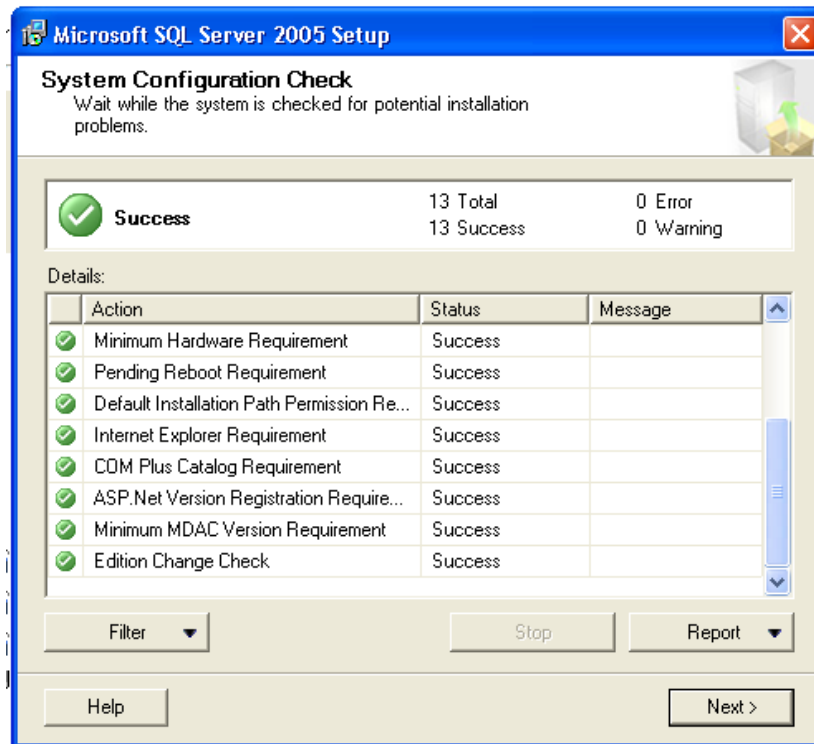
This screen only requires the user to click the radio button and press Next.
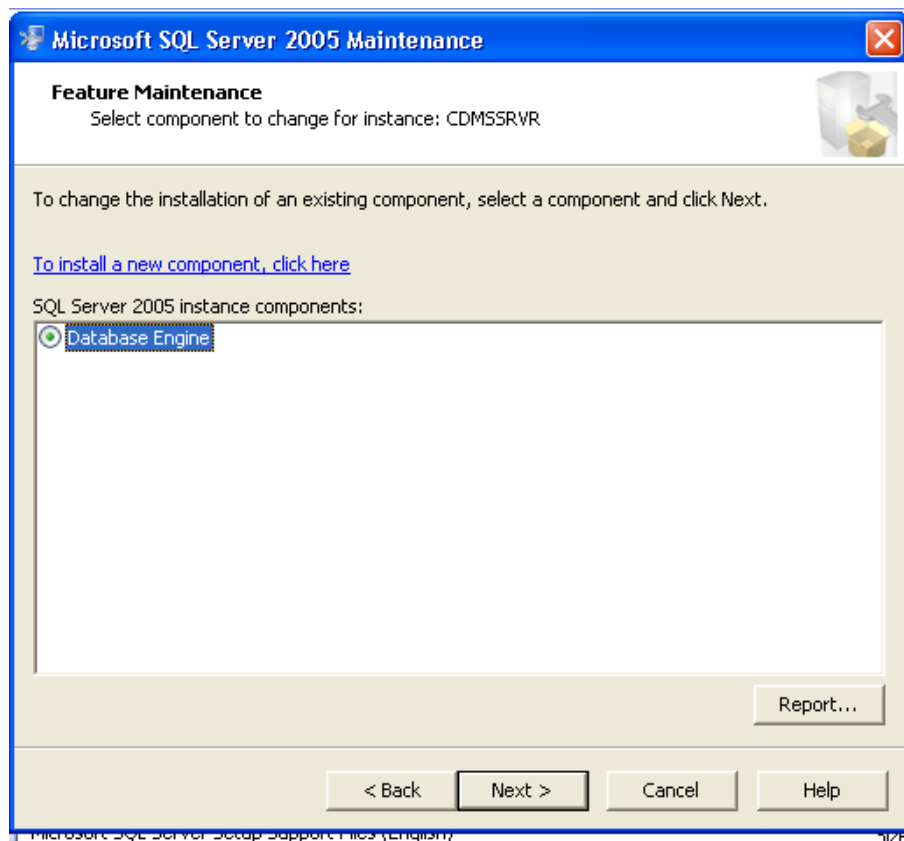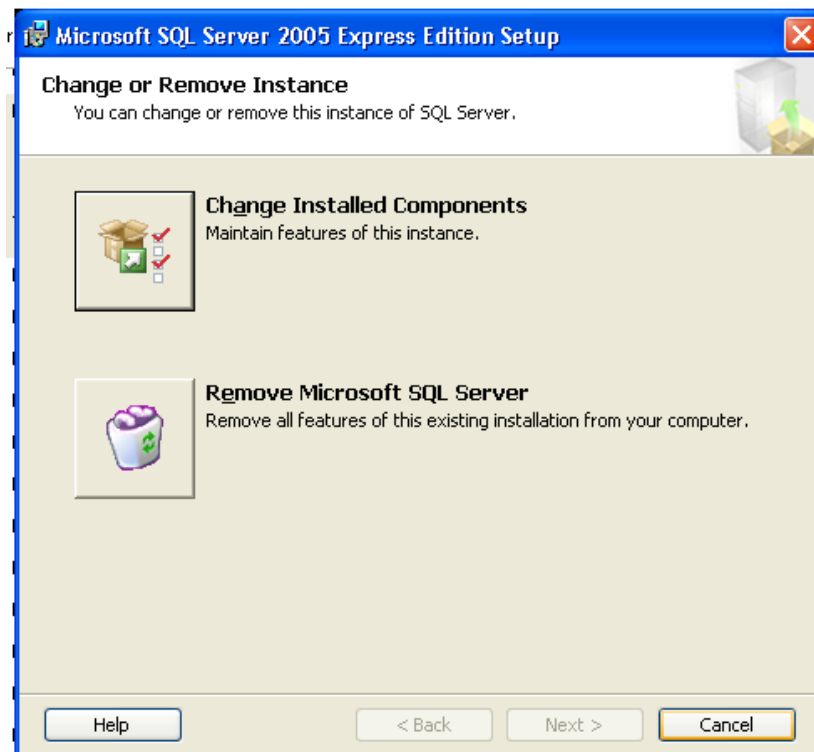

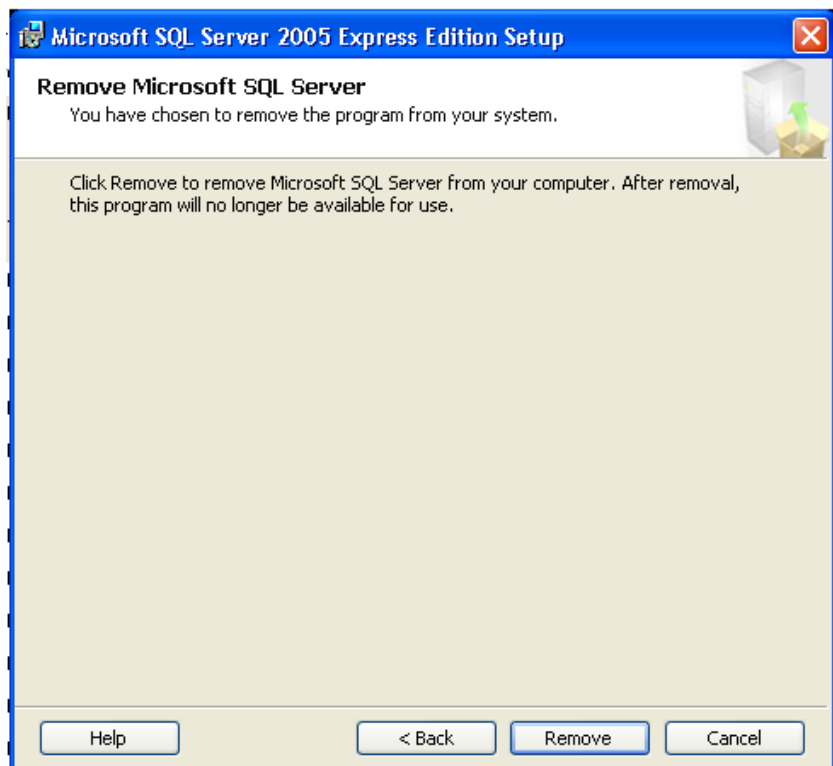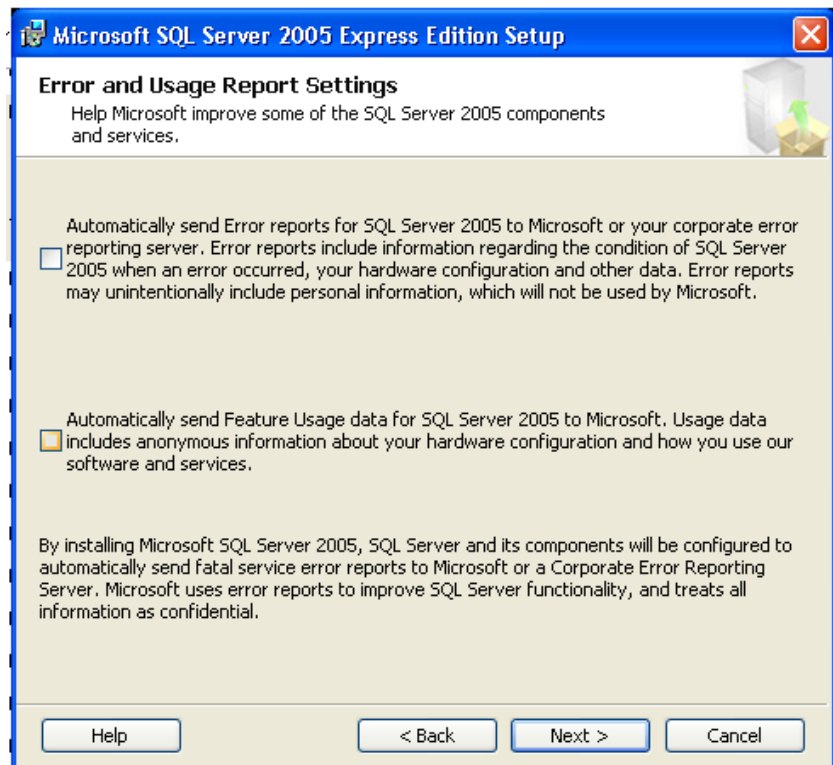A short configuration check will be followed with the removal wizard.

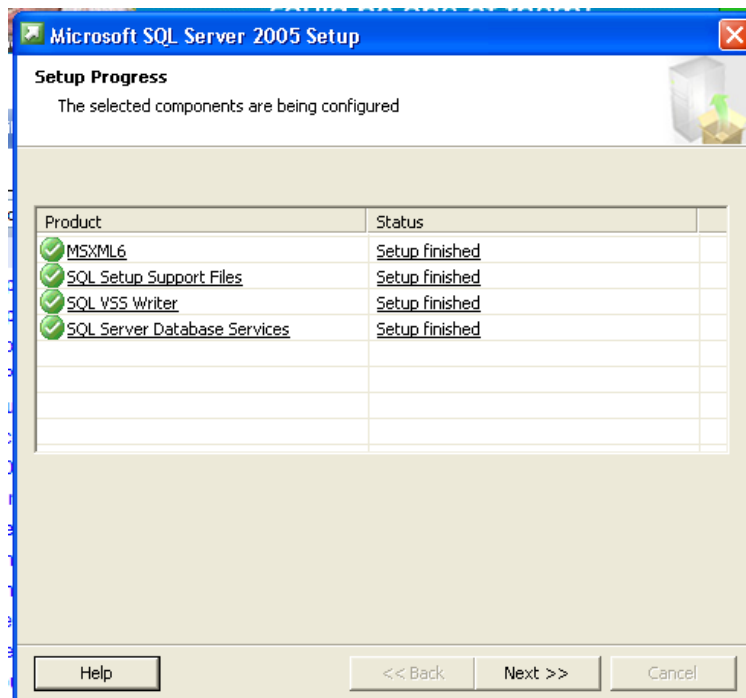The System Configuration Check screen. Just press Next.

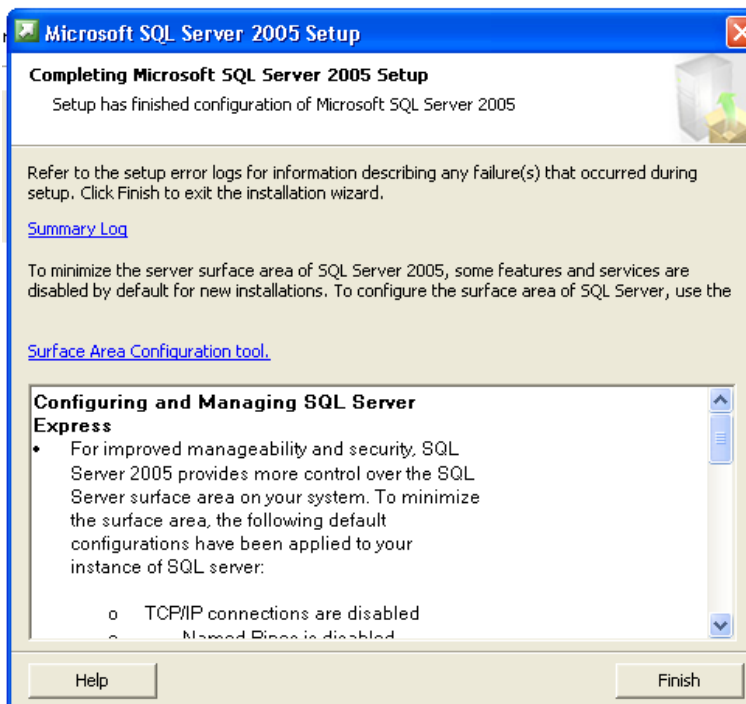Press "Remove Microsoft SQL Server". This choice will only remove the CDMS instance.

Press Next and Remove respectively on these screens.

Setup process will continue for the next several minutes. When completed, press Next.


Finally, the completion screen comes up. Press Finish.

SQL Server Express Instance Manual Uninstallation on Windows 7

Open Control panel, then click the "Uninstall a program" link. Locate and highlight Microsoft SQL Server 2005 and press the "Change" button at the top of the list view. On the next screen, select only the radio button by CDMSSRVR: Database Engine and press Next.
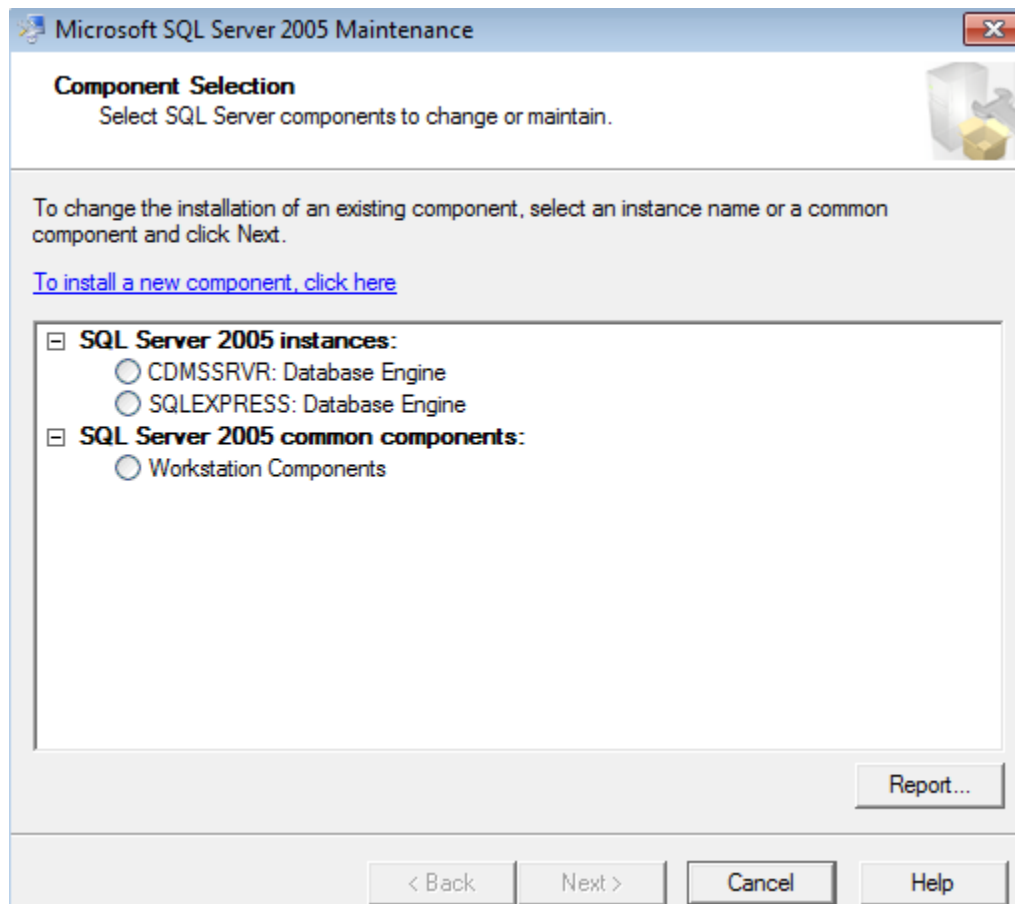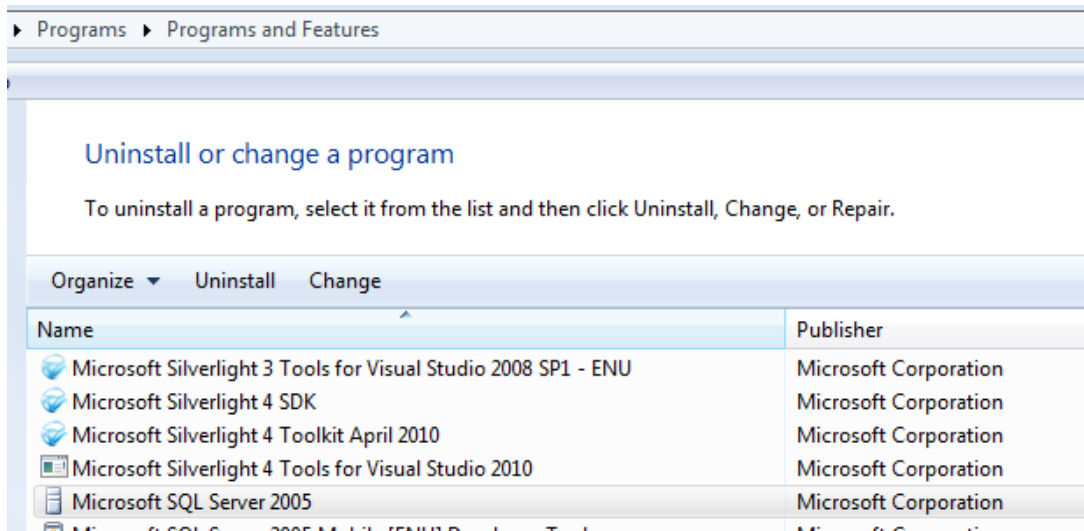
This screen only requires the user to click the "Database Engine" radio button and press Next.
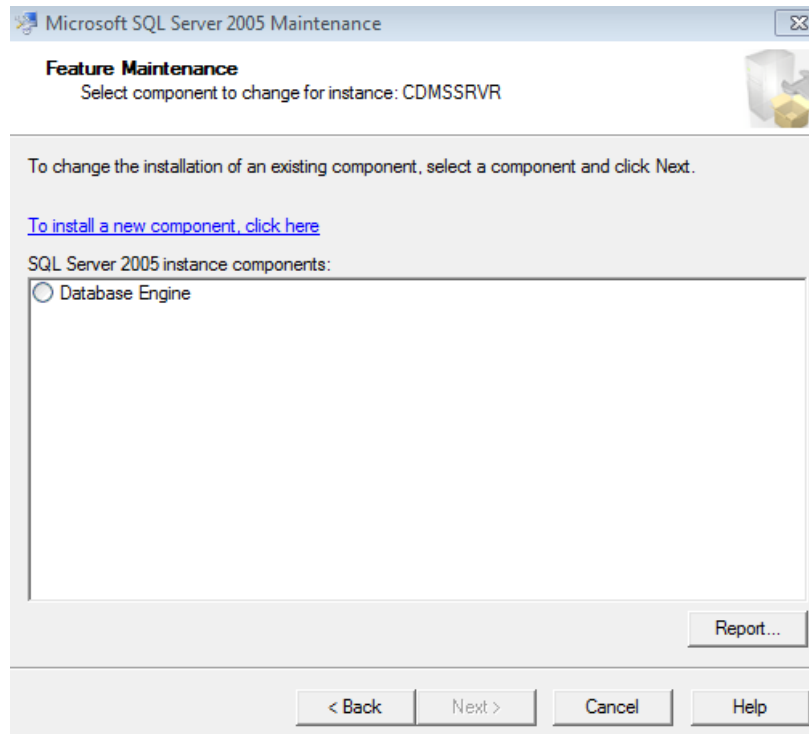
A short configuration check will be followed with the removal wizard.
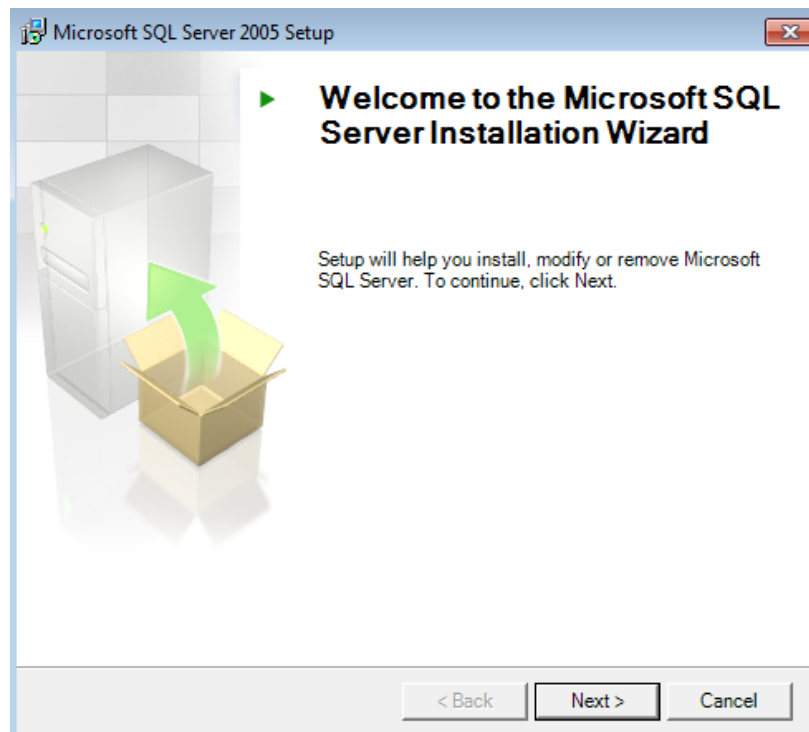
The System Configuration Check screen will be similar to this example. Just press Next.
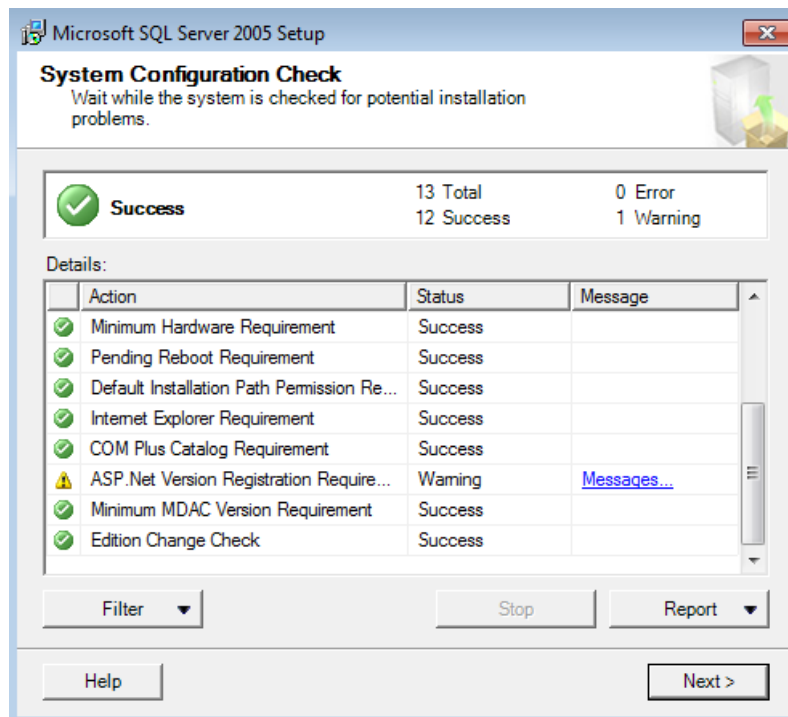
Press the "Remove Microsoft SQL Server" button. This choice will only remove the CDMSSRVER instance.
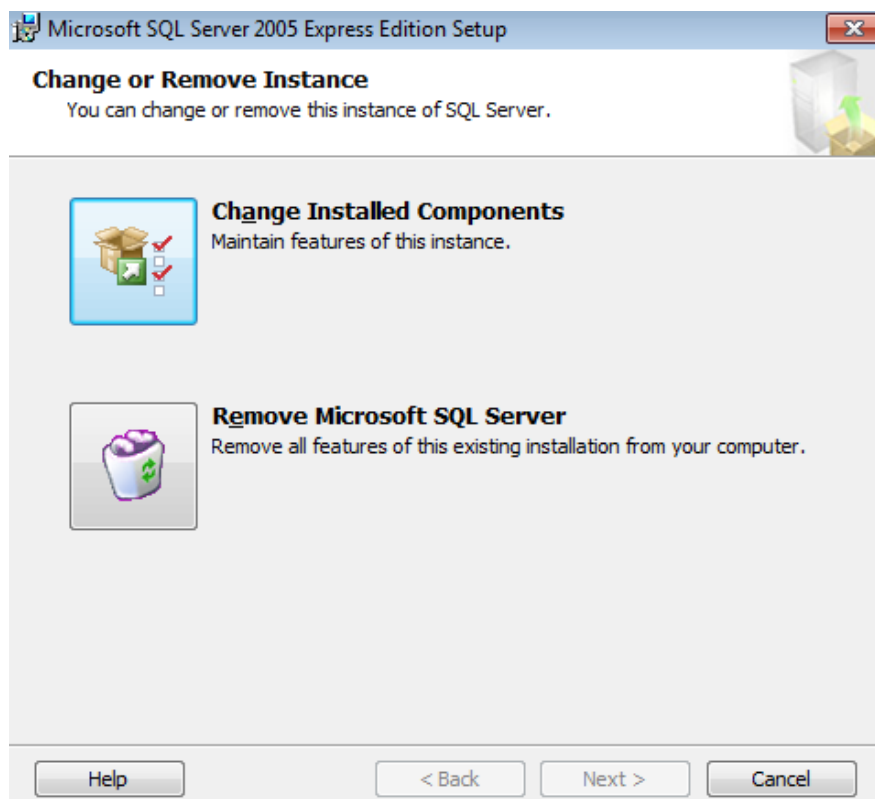
Press Next and Remove respectively on these screens.

You may get a screen that looks like this. Press "Ignore" and the uninstall will continue.

Setup process will continue. When Setup Progress has completed, press Next.

Finally, the completion screen comes up. Press Finish.

Microsoft SQL Server 2005 Setup

Completing Microsoft SQL Server 2005 Setup

Setup has finished configuration of Microsoft SQL Server 2005
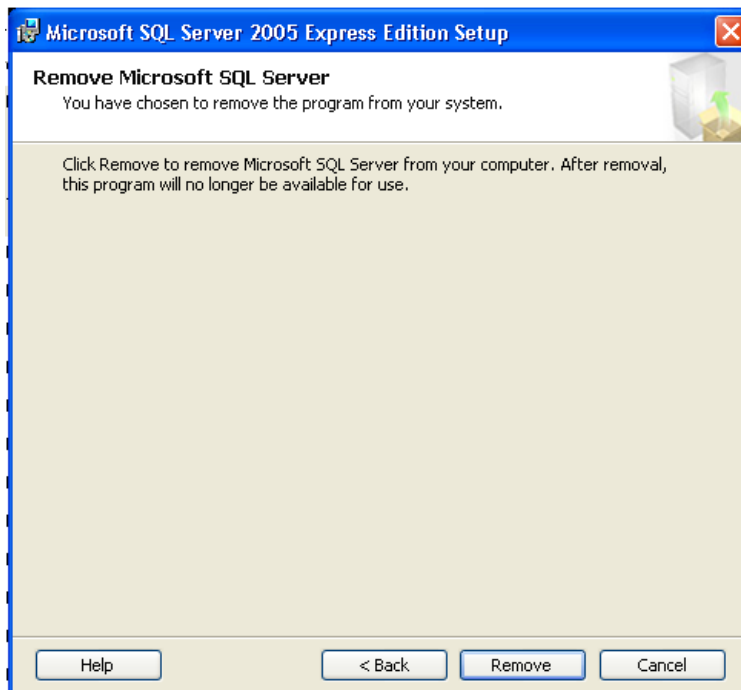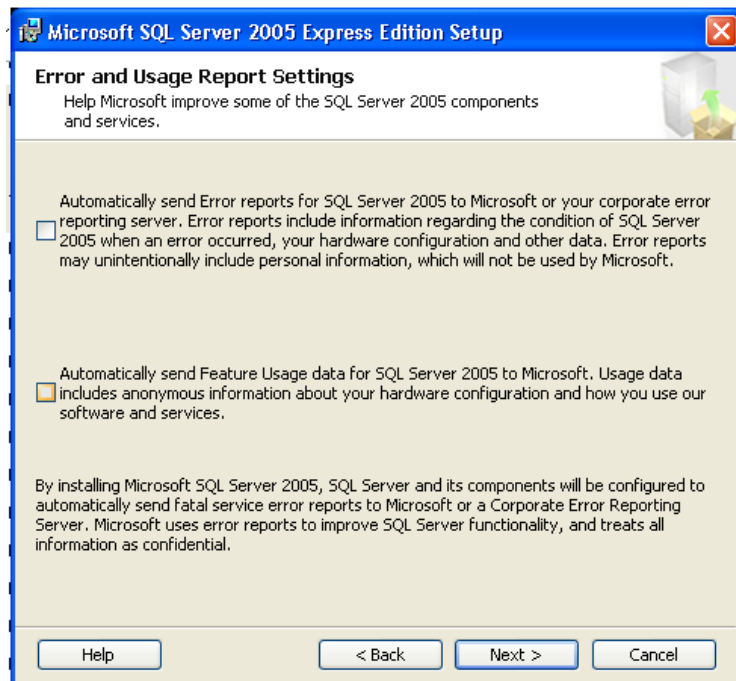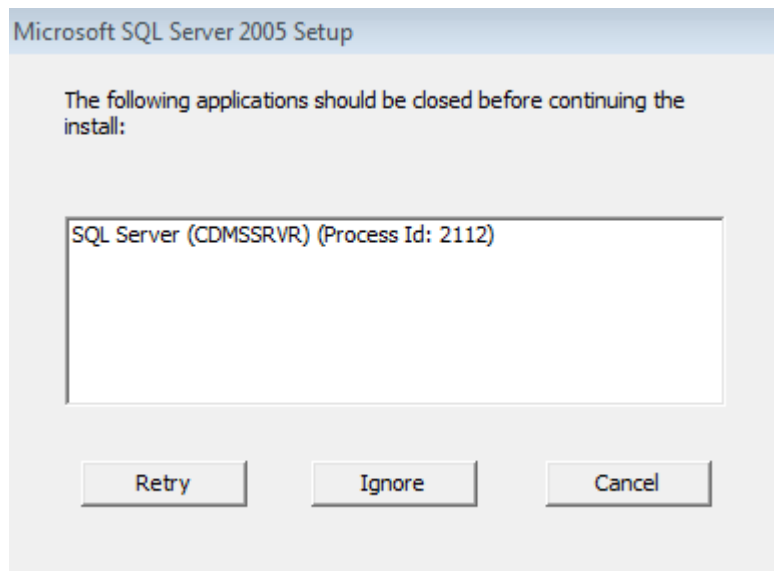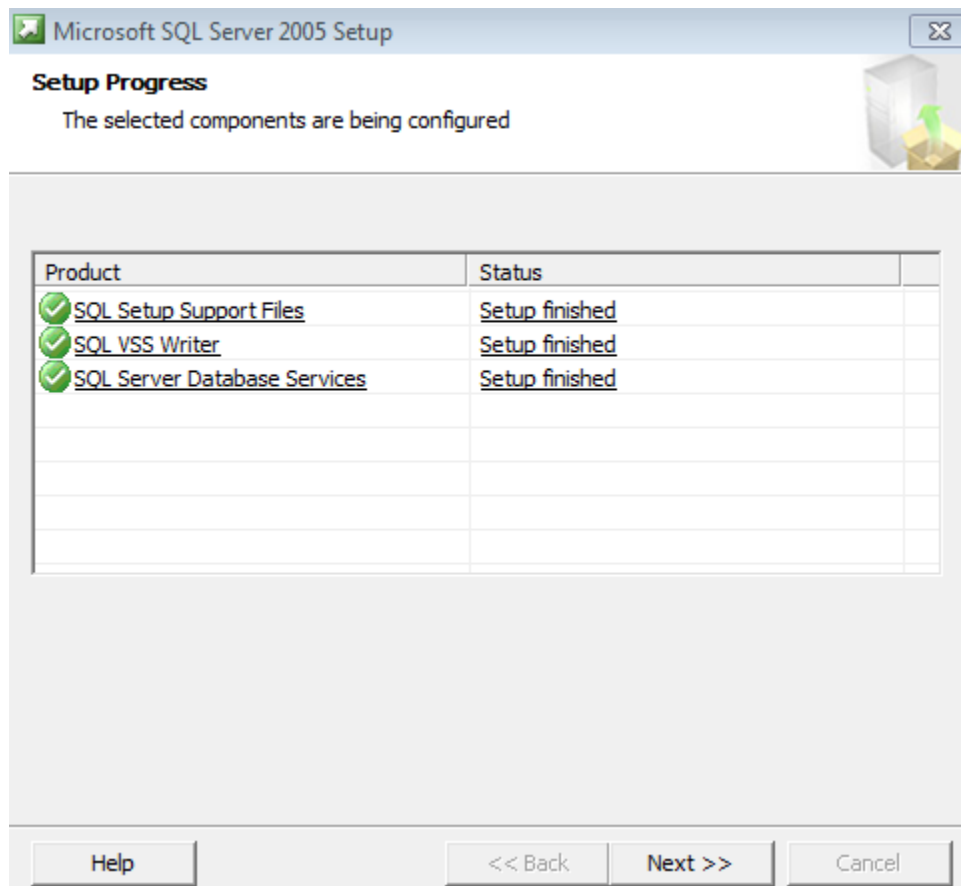
Refer to the setup error logs for information describing any failure(s) that occurred during setup. Click Finish to exit the installation wizard.

Summary Log

To minimize the server surface area of SQL Server 2005, some features and services are disabled by default for new installations. To configure the surface area of SQL Server, use the

Surface Area Configuration tool.

Configuring and Managing SQL Server Express
- For improved manageability and security, SQL Server 2005 provides more control over the SQL Server surface area on your system. To minimize the surface area, the following default configurations have been applied to your instance of SQL server:

    o   TCP/IP connections are disabled
    o   Named Pipes is disabled

Help   Finish